



National  
Aeronautics and  
Space  
Administration

Patent Application  
NPO 20821-1-CU  
(NASA Case No.)

15669 U.S. PTO  
10/612442



06/30/03

## Letter Transmitting Patent Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
THE COMMISSIONER OF PATENTS AND TRADEMARKS  
P.O. Box 1450  
Alexandria VA 22313-1450  
Sir:

Transmitted herewith for filing is the Patent Application of:

Applicant: Yu Wang  
Inventor(s):

Entitled:

Multifrequency Ultra-High Resolution Miniature Scanning Microscope Using Microchannel and Solid-State Sensor Technologies and Method for Scanning Samples

Enclosed are:

- ☒ Specification and claims
  - ☒ Declaration
  - ☒ Assignment of the invention to the National Aeronautics and Space Administration
  - ☐ License of the invention to the National Aeronautics and Space Administration
  - ☐ Application Data Sheet
  - ☐ Preliminary Amendment
  - ☒ Information Disclosure Statement
  - ☒ Nonpublication Request and Certification (PTO/SB/35 or equivalent)
  - ☐ International application under the PCT (see PCT/RO/101,XII checklist)
- ☒ 12 sheets of drawing
- ☒ Power of Attorney

The fee has been calculated as shown below:

FOR (1)	CLAIMS FILED NUMBER		RATE (4)	FEE (5)
	PAID FOR (2)	EXTRA (3)		
TOTAL CLAIMS 21	20	1	x 18.00	= 18.00
INDEPENDENT CLAIMS 8	3	5	x 84.00	= 420.00
BASIC FEE (Minimum amount required) -----				
TOTAL FILING FEE				438.00

Please charge our Deposit Account No. 14-0116 in the amount shown as the total filing fee. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

June 30, 2003  
(Date)

John H. Kusmiss  
(Attorney of Record) (Reg. No.)

NOTE: This form is to be used when filing a new or original application. John H. Kusmiss, Reg. No. 32,149

NASA FORM 1556 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

DOCKET NO.  
NPO-20821-1-CU

CERTIFICATE OF MAILING BY "EXPRESS MAIL"  
UNDER 37 CFR §1.10 – SEPARATE PAPER –

In Re Application of: Yu Wang

Serial Number TBA

Filed June 30, 2003

For: **MULTIFREQUENCY ULTRA-HIGH RESOLUTION MINIATURE  
SCANNING MICROSCOPE USING MICROCHANNEL AND SOLID-  
STATE SENSOR TECHNOLOGIES AND METHOD FOR SCANNING  
SAMPLES**

Group Art Unit Unknown  
Examiner Unknown

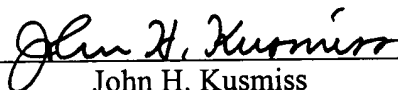
I hereby certify that this paper is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria VA 22313-1450.

I hereby certify that the following were placed in the envelope by me and are enclosed herewith for filing of the Patent Application:

- ☒ Transmittal Letter (Original & 1 copy)
- ☒ Information Disclosure Statement (2 pages) with PTO Form A820 (2 pages) and 16 patents
- ☒ Specification (22 pages including 8 pages of claims), Abstract (1 page), and Drawings (10 Sheets, Figures 17)
- ☒ Declaration and Power of Attorney (Original)
- ☒ Assignment <sup>to Collect and by Collect to</sup> by Inventor, to NASA (Original) and Transmittal Letters (Original)
- ☒ Request and Certification Under 35 U.S.C. §122(b)(2)(B)(i)
- ☒ Return Postcard (1)

"Express Mail" mailing label number EV 336023284 US

Date of Deposit: June 30, 2003



John H. Kusmiss  
Registration No. 32,149  
(818) 354-7770

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

Yu Wang

Title

Multifrequency Ultra-High Resolution Miniature  
Scanning Microscope Using Microchannel and ...

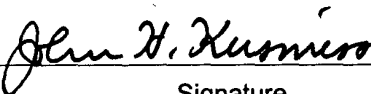
Atty Docket Number

NPO 20821-1-CU

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

June 30, 2003

Date



Signature

John H. Kusmiss

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**